



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/689,478
Filing Date	10/20/03
First Named Inventor	Daniel S. Papenfuss
Art Unit	1772
Examiner Name	Marc Peterson
Attorney Docket Number	20717

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
M.P.		US- 3,608,815	09/28/71	Bunch	
M.P.		US- 3,626,143	12/07/71	Fry	
M.P.		US- 3,909,582	09/30/75	Bowen	
M.P.		US- 4,009,312	02/22/77	Hayashi et al.	
M.P.		US- 4,028,475	06/07/77	Willdorf	
M.P.		US- 4,054,711	10/18/77	Botsolas	
M.P.		US- 4,133,924	01/09/79	Seino et al.	
M.P.		US- 4,236,652	12/02/80	Beguhn	
M.P.		US- 4,493,872	01/15/85	Funderburk et al.	
M.P.		US- 4,778,058	10/18/88	Yamazaki et al.	
M.P.		US- 4,834,245	05/30/89	Ohga et al.	
M.P.		US- 4,903,841	02/27/90	Ohsima et al.	
M.P.		US- 4,985,300	01/15/91	Huang	
M.P.		US- 5,001,325	03/19/91	Huizinga	
M.P.		US- 5,180,615	01/19/93	Havens	
M.P.		US- 5,229,180	07/20/93	Littman	
M.P.		US- 5,302,344	04/12/94	Perlman	
M.P.		US- 5,613,779	03/25/97	Niwa	
M.P.		US- 5,630,308	05/20/97	Guckenberger	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ² Number ⁴ Kind Code ⁵ (if known)				
M.P.		EP 0 060 311 B1	12/05/84	Vargui et al.	1	
M.P.		EP 0 263 383 B1	03/27/91	Canamero	1	
M.P.		EP 0 363 540 B1	01/27/93	Ohsima et al.	1	
M.P.		EP 0 473 517 B1	09/02/98	Guckenberger	1	
M.P.		EP 0 575 299 B1	04/16/93	Nideborn	1	
M.P.		EP 0 957 045 B1	09/04/02	Bevliacqua	1	

Examiner Signature	Marc Peterson	Date Considered	6/27/05
--------------------	---------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

BEST AVAILABLE COPY

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of 3

Complete if Known

Application Number	10/689,478
Filing Date	10/20/03
First Named Inventor	Daniel S. Papenfuss
Art Unit	1772
Examiner Name	Marc Patterson
Attorney Docket Number	20717

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
M.P.		US 5,700,560	12/23/97	Kotani et al.	1
M.P.		US 5,827,583	10/27/98	Ambler	1
M.P.		US 5,910,138	06/08/99	Sperko et al.	1
M.P.		US 5,944,709	08/31/99	Barney et al.	1
M.P.		US 5,969,029	10/19/99	Kotani et al.	1
M.P.		US 6,004,251	12/21/99	Herrin	1
M.P.		US 6,099,953	08/08/00	Komai et al.	1
M.P.		US 6,173,554 B1	01/16/01	Marbler	1
M.P.		US 6,203,535 B1	03/20/01	Barney et al.	1
M.P.		US 6,376,042 B1	04/23/02	Peiffer et al.	1
M.P.		US 6,427,420 B1	08/06/02	Olivieri et al.	1
M.P.		US 6,428,882 B1	08/06/02	Peiffer et al.	1
M.P.		US 6,436,498 B1	08/20/02	Rangwalla et al.	1
M.P.		US 6,455,138 B1	09/24/02	Murano	1
M.P.		US 6,475,597 B2	11/05/02	Komai et al.	1
M.P.		US 6,500,514 B1	12/31/02	Blemborg et al.	1
M.P.		US 2001/0038895 A1	11/08/01	Moteki et al.	1
M.P.		US 2002/0068668 A1	06/06/02	Chow et al.	1
M.P.		US 2002/0081405 A1	06/27/02	Marbler et al.	1

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ² *Number ⁴ *Kind Code ⁵ (if known)				
M.P.		WO 98/29312	07/09/98	Oliveri et al.	1	
M.P.		WO 99/19229	04/22/99	Fayet et al.	1	
M.P.		WO 02/34820 A1	05/02/02	Okhai	1	
M.P.		EP 0540 184 A1	05/05/93	Littman	1	
M.P.		EP 0 596 747 A1	05/11/94	Schlappi et al.	1	
M.P.		EP 1 094 013 A1	04/25/01	Jammet et al.	1	

Examiner
Signature

Marc Patterson

Date
Considered

6/27/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

BEST AVAILABLE COPY

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3 of 3

Complete if Known

Application Number	10/689,478
Filing Date	10/20/03
First Named Inventor	Daniel S. Papenfuss
Art Unit	1772
Examiner Name	Marc Petheron
Attorney Docket Number	20717

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
M.P.		US- 2002/0086174 A1	07/04/02	Genske et al.	_____
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁴
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	Marc Petheron	Date Considered	6/27/05
--------------------	---------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

BEST AVAILABLE COPY